

FILE NOTATIONS

Entered in NID File

Entered in SR Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

9-21-57

Location Inspected

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

1-8-58

Electric Logs (No.)

3

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

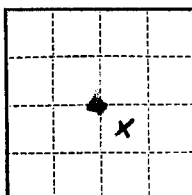
Navajo

(SUBMIT IN TRIPLICATE)

Indian Agency

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **Tribal Lands**
14-30-603-242
Lease No.



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 2, 1957

Well No. **#1** is located **2691** ft. from **N** line and **1980** ft. from **E** line of sec. **4**
SE 4 **418** **29E** **SLBM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation ~~2150 feet above datum~~ is **4646** ft. (approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Drill 11" hole to 1150'±.
2. Cement 8-5/8" casing at 1150'± with 250 sacks posse mix and 100 sacks construction cement.
3. Drill 7-7/8" hole to 5700'±.
4. If commercial production is obtained a supplementary completion notice will be issued, otherwise, plug and abandon in accordance with U.S.G.S regulations.

Surface formation is the Harrison.

* Approved 7-3-57.

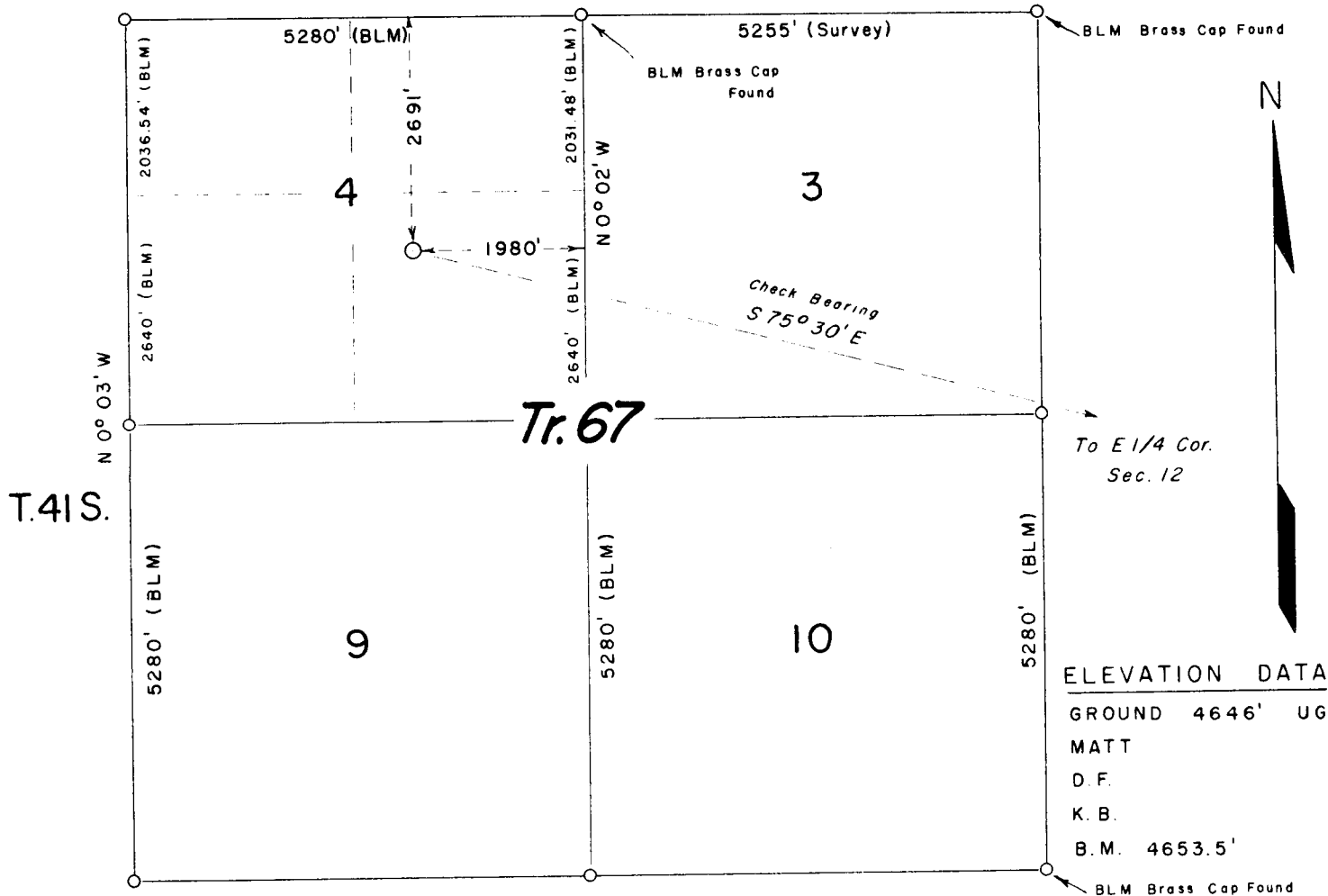
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Shell Oil Company**
Address **108 North Behrend Avenue**
Farmington, New Mexico

By **B. W. Shepard**
B. W. Shepard
Title **Exploitation Engineer**

..23E. S.L.M.

N 89° 59' W (BLM)



ELEVATION DATA

GROUND 4646' UG
MATT
D.F.
K.B.
B.M. 4653.5'

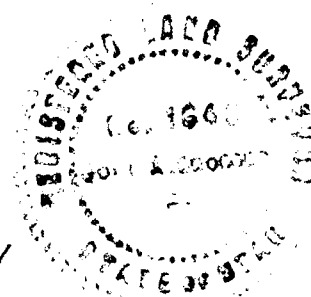
REFERENCE POINT DATUM -

1" x 2" stakes set at 10' N., S., E., & W. of Loc.
1" x 2" stake and 3' flag set at 350' E., 165' W., & 178' S. of Loc.
1" x 2" hub and 10' flag set at Loc. being 2691' S., and 1980' W. of the NE Cor. of Sec. 4, T. 41 S., R. 23 E., SLM.
A cross chiseled in sandstone ledge bears North 240' from Loc. for RP and BM.

Elevations hereon are in reference to triangulation station "Pete", checked into our elevation circuit in the Recapture Creek Field.

This is to certify that the above plat was prepared from field notes of actual surveys made under my supervision, and that the same are true and correct to the best of my knowledge and belief.

John A. Kroeger
John A. Kroeger, Reg. L.S.
Utah Reg. No. 1648



Drawn By: Ritter

Checked By: JAK

Date: 6/29/57

SHELL OIL COMPANY

Scale 1" = 2000'

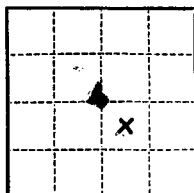
LOCATION OF MOLE HILL No. 1

SAN JUAN COUNTY, UTAH, Tr. 67, SEC. 4, T. 41 S., R. 23 E., S.L.M.

(SUBMIT IN TRIPLICATE)

Indian Agency

Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Tribal Lands
Allottee
14-20-609-242
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 2, 1957

Mole Hill
Well No. #1 is located 2691 ft. from ☒ N line and 1980 ft. from ☒ E line of sec. 4
SE 4 41S 23E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation ~~of the bottom floor above sea level~~ is 4646 ft. (approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Drill 11" hole to 1150'±.
2. Cement 8-5/8" casing at 1150'± with 250 sacks pozos mix and 100 sacks construction cement.
3. Drill 7-7/8" hole to 5700'±.
4. If commercial production is obtained a supplementary completion notice will be issued, otherwise, plug and abandon in accordance with U.S.G.S regulations.

Surface formation is the Morrison.

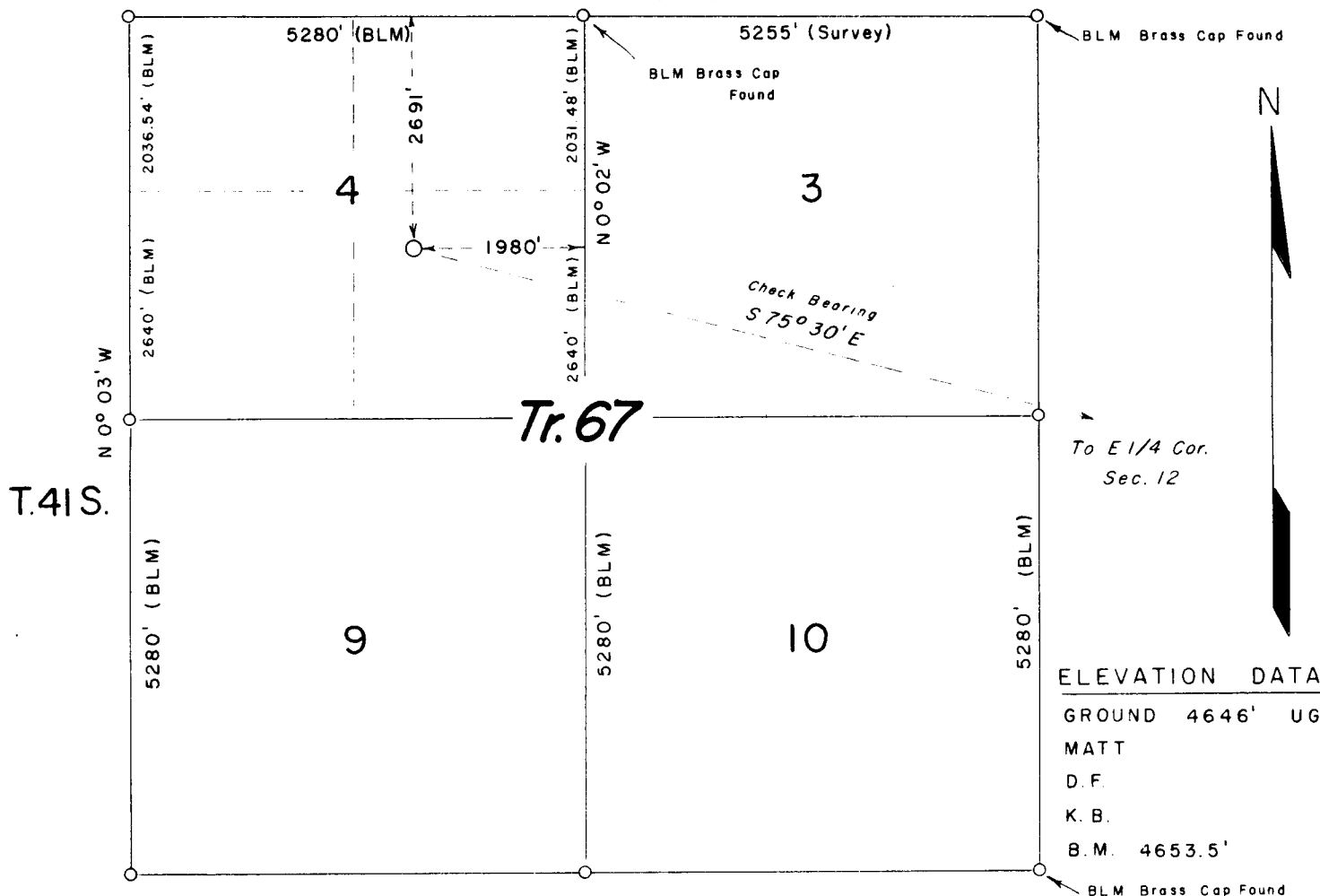
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company
Address 108 North Behrend Avenue
Farmington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

3E. S.L.M.

N 89° 59' W (BLM)



REFERENCE POINT DATUM -

1" x 2" stakes set at 10' N., S., E., & W. of Loc.
1" x 2" stake and 3' flag set at 350' E., 165' W., & 178' S. of Loc.
1" x 2" hub and 10' flag set at Loc. being 2691' S., and 1980' W. of the NE Cor. of Sec. 4, T. 41 S., R. 23 E., SLM.
A cross chiseled in sandstone ledge bears North 240' from Loc. for RP and BM.

Elevations hereon are in reference to triangulation station "Pete", checked into our elevation circuit in the Recapture Creek Field.

This is to certify that the above plat was prepared from field notes of actual surveys made under my supervision, and that the same are true and correct to the best of my knowledge and belief.

John A. Kroeger
John A. Kroeger, Reg. L.S.
Utah Reg. No. 1648



Drawn By: Ritter

Checked By: JAK

Date: 6/29/57

SHELL OIL COMPANY

Scale 1" = 2000'

LOCATION OF MOLE HILL No. 1

SAN JUAN COUNTY, UTAH, Tr. 67, SEC. 4, T. 41 S., R. 23 E., S.L.M.

July 3, 1957

Shell Oil Company
108 North Behrend Avenue
Farmington, New Mexico

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Mole Hill 1, which is to be located 2691 feet from the north line and 1980 feet from the east line of Section 4, Township 41 South, Range 23 East, SEPM, San Juan County, Utah.

The proposed location of this well does not comply with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure, of the Oil and Gas Conservation Commission, State of Utah; nor has information been furnished for an unorthodox location as required by Rule C-3(c) of said rules and regulations.

Therefore, before approval can be given for the drilling location of this well, it will be necessary for you to file a new notice of intention to drill in compliance with Rule C-3(b), or if an unorthodox location is necessary, a request for such spacing must be made as required by Rule C-3(c).

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLKON B. FREIGHT
SECRETARY

GRF:cn

cc: Phil McGrath/ Jerry Long
U.S.G.S. Farmington,
New Mexico

July 5, 1957

Shell Oil Company
108 North Behrend Ave
Farmington, New Mexico

Attn: B. W. Shepard

Gentlemen:

With regards to our telephone conversation of this date, please be advised that, insofar as this office is concerned, approval to drill Well No. Mole Hill 1 2691 feet from the north line and 1980 feet from the east line of section 4, Township 41 South, Range 23 East, SLRM, San Juan County, Utah, is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

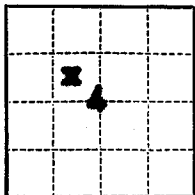
CLEON B. FREIGHT
SECRETARY

CBF:en

cc: Phil McGrath, District Eng
USGS Farmington, New Mexico

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-30-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

*Noted
COST
8-14-57*

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 6, 19 57

Mole Hill
Well No. #1 is located 2691 ft. from [N] line and 1900 ft. from [E] line of sec. 4

<u>NW 4</u>	<u>413</u>	<u>23E</u>	<u>SLBM</u>
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)
<u>Wildcat</u>	<u>San Juan</u>	<u>Utah</u>	
(Field)	(County or Subdivision)	(State or Territory)	

The elevation ~~at the surface of the ground~~ is 4646 ft. (Approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 7-24-57)

7-27, 28-57 Ran and cemented 8-5/8", 32#, J-55 casing at 1079' with 200 sacks Pomix and 175 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi. for 15 minutes, OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

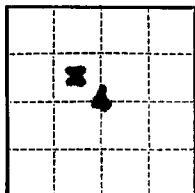
Farmington, New Mexico

By B W Shepard
B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-242

*Noted
Cox
8-14-57*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 6, 19 57

Mole Hill
Well No. #1 is located 2691 ft. from [N] line and 1980 ft. from [E] line of sec. 4
NW 4 41S 23E SLM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcox San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation ~~3142~~ is 4646 ft. (Approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 7-24-57)

7-27, 28-57 Ran and cemented 8-5/8", 32#, J-55 casing at 1079' with 200 sacks Formix and 175 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi. for 15 minutes, OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

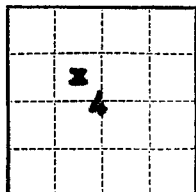
Farmington, New Mexico

By B. W. Shepard
B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	x
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 18, 1957

Mole Hill
Well No. #1 is located 2691 ft. from N line and 1980 ft. from W line of sec. 4

NW 4 41S 23E SE1/4
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing
The elevation of the ~~bottom~~ above sea level is 4670 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DET #1 5539-5560 Initial shut in 30 minutes. 2 hour flow period; 1 hour final shut in. Faint blow decreasing to dead at end of 2 hours. Rec. 100' (0.5 bbl) drilling mud. ISIP 1250, IFP 100, FFP 150, FSIP 1250, HP 2600.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

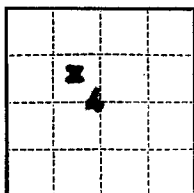
Farmington, New Mexico

By B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 18, 1957

Mole Hill
Well No. #1 is located 2691 ft. from N line and 1980 ft. from W line of sec. 4

NW 4 41S 23E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing
The elevation of the vent floor above sea level is 4670 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DET #1 5539-5560 Initial shut in 30 minutes. 2 hour flow period; 1 hour final shut in. Faint blow decreasing to dead at end of 2 hours. Rec. 100' (0.5 bbl) drilling mud. ISIP 1250, IFF 100, FFF 150, FSIP 1250, HF 2600.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

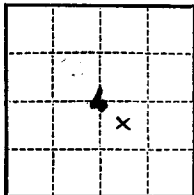
Farmington, New Mexico

By B. W. Shepard

B. W. Shepard
Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

*Wole
Camp
10-7-57*

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 19, 1957

Wole Hill
Well No. 21 is located 2691 ft. from [N] line and 1980 ft. from [E] line of sec. 4

NW 4 41 S 23 E SLPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcoats San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly bushing

The elevation of the ~~shut-in~~ above sea level is 4670.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth - 5701'
Casing - 8 5/8" at 1079'
Hole Size 7 7/8", 1079 to Total depth

Proposed Work:

- Place plugs through open end drill pipe as follows:
 - 5350' with 35 sacks cement (5250-5350)
 - 4500' with 35 sacks cement (4400-4500)
 - 2400' with 35 sacks cement (2300-2400)
 - 1088' with 60 sacks cement (shoe of surface casing)
- Feel for top plug.
- Place 10 sack cement plug at surface, install marker and abandon in accordance with USIS regulations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company HILL OIL COMPANY

Address 101 S Behrend

Farmington, New Mexico

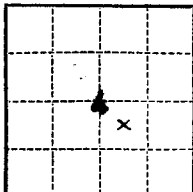
By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

Verbal approval to abandon-- for long, USIS to B. W. Shepard, 9-19-57.

W

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-693-242

SUNDRY NOTICES AND REPORTS ON WELLS

cat
12-7-57

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 19, 1957

Well No. 41 is located 2691 ft. from N line and 1980 ft. from E line of sec. 4

4 (1/4 Sec. and Sec. No.) 41 S (Twp.) 23 E (Range) SLM (Meridian)
Wilcoat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly bushing above sea level is 4670.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth - 5701'
Casing - 8 5/8" at 1079'
Hole size 7 7/8", 1079 to Total depth

Proposed Work:

- Place plugs through open end drill pipe as follows:
 - 5350' with 35 sacks cement (5250-5350)
 - 4500' with 35 sacks cement (4400-4500)
 - 2400' with 35 sacks cement (2300-2400)
 - 1088' with 60 sacks cement (shoe of surface casing)
- Feel for top plug.
- Place 10 sack cement plug at surface, install marker and abandon in accordance with U. S. regulations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WILLIE COMPANY

Address 101 N. Behrend

Farmington, New Mexico

By D. W. Shepard
D. W. Shepard

Title Exploration Engineer

Verbal approval to abandon—Dr. L. S. to B. W. Shepard, 9-18-57.

U. S. LAND OFFICE Window Rock, Ariz.SERIAL NUMBER 14-20-603-242LEASE OR PERMIT TO PROSPECT -

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 101 S. Behrend, Farmington, N.M.
 Lessor or Tract Tribal Lands Field Wildcat State Utah
 Well No Mole Hill #1 Sec. 4 T. 41S R. 23E Meridian SLBM County San Juan
 Location 2491 ft. N. of N. Line and 1780 ft. E. of E. Line of Sec 4 Elevation 4637.5 KB
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Signed B. W. ShepardDate November 20, 1957Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling July 24, 1957 Finished drilling September 19, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from None to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from None to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8"</u>	<u>32</u>	<u>8</u>	<u>-</u>	<u>1079</u>	<u>Baker</u>	<u>Surface</u>			<u>Surface</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>1079</u>	<u>200 pozzo mix 1/50</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

8-5/8"	1079	200 pozzo mix 1/5C	Displacement		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			None			

TOOLS USED

Rotary tools were used from _____ feet to 5705 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Abandoned as dry hole

~~September 21~~ _____, 19 ~~57~~ _____

Put to producing _____, 19 _____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

~~T. W. Keen~~ _____, Driller

Exeter Drilling Company

~~M. A. Sheppard~~ _____, Driller

~~T. F. Manion~~ _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1420	2196	776	Chinle
2196	2300	104	Shinarump
2300	2415	115	Moenkopi
2415	4442	2027	Cutler
4442	5496	1054	Hermosa
5496			Paradox

[OVER]

1-43094-4

FORMATION RECORD—CONTINUED

8561 JAN

Casing		Mud		Cement		Water		Gas	
Material		Material		Material		Material		Material	
Quantity		Quantity		Quantity		Quantity		Quantity	
Date		Date		Date		Date		Date	
Remarks		Remarks		Remarks		Remarks		Remarks	

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Attached: Drilling History

Casing Record

Ditch Sample Description

Casing Record

No. 1 from	to	No. 1 from	to
No. 2 from	to	No. 2 from	to

IMPORTANT WATER SANDS

No. 1 from	to	No. 1 from	to
No. 2 from	to	No. 2 from	to
No. 3 from	to	No. 3 from	to

(Insert box on 1)

OIL OR GAS SANDS OR ZONES

Completed drilling _____ to _____ Finished drilling _____ to _____

The summary on this page is for the condition of the well at above date.

Date _____

signed _____

so far as can be determined from all available records.

The information given herein is a complete and correct record of the well and all work done thereon.

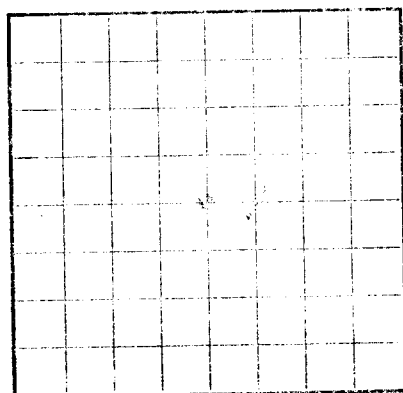
Location _____ of _____ and _____ of _____

Well No. _____ of _____

Owner or Lessee _____

Company _____

LOCATE WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROCEED

SERIAL NUMBER

U. S. GEOLOGICAL SURVEY

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD Wild Cat AreaCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION OIL-GAS CORE OR DIT
1	5361	5412	51'				See Desc
	5361	5362	1'	<u>Limestone</u> , light tan, III-F-MA.			
	5362	5363	1'	<u>Limestone</u> , tan, IVF-LA, sandy in part, with fossile fragments, <u>trace fluorescence on 60% calcareous filled fracture.</u>			
	5363	5364	1'	<u>Limestone</u> , tan, I VF-LA, rare brachiopod fragments, stylolitic, <u>trace fluorescence on vertical hairline fractures.</u>			
	5364	5365	1'	<u>Limestone</u> , as above, sandy, no fractures.			
	5365	5367	2'	<u>Limestone</u> , tan, I VFA, rare brachiopod.			
	5367	5368	1'	<u>Limestone</u> , as above, very fine, pyritic inclusions.			
	5368	5369	1'	<u>Limestone</u> , like 65-67, stylolitic.			
	5369	5371	2'	<u>Limestone</u> , as above, not stylolitic.			
	5371	5373	2'	<u>Limestone</u> , as above, rare brachiopod, stylolitic.			
	5373	5375	2'	<u>Limestone</u> , tan, III VF-LA, appears recrystallized with <u>many</u> crystalline calcareous fusulinid.			
	5375	5376	1'	<u>Limestone</u> , light brown, I VFA, with rare crinoid column.			
	5376	5378	2'	<u>Limestone</u> , tan, I VF-MA, sandy.			
	5378	5379	1'	<u>Limestone</u> , tan, I VFA.			
	5379	5380	1'	<u>limestone</u> , light brown, I VFA, with abundant brachiopod, crinoid and bryoz fragments.			
	5380	5381	1'	<u>Limestone</u> , light brown, I VFA, slightly sandy, with occasional bryozoa, <u>trace spotty bright yellow fluorescence.</u>			
	5381	5383	2'	<u>Limestone</u> , tan, I VFA, sandy.			
	5383	5390	7'	<u>Limestone</u> , as above, not sandy.			
	5390	5394	4'	<u>Limestone</u> , tan, I - III VFA, with occasional fossile fragments.			
	5394	5396	2'	<u>Limestone</u> , tan, I VFA, silty - sandy.			
	5396	5397	1'	<u>Limestone</u> , tan, I VFA, with abundant crinoid fragments.			
	5397	5399	2'	<u>Limestone</u> , as above, with rare brachiopod.			
	5399	5402	3'	<u>Limestone</u> , brown, I VFA, very fusulinid.			
	5402	5403	1'	<u>Limestone</u> , dark brown, I VF-LA, with abundant small brachiopods.			
	5403	5404	1'	<u>Limestone</u> , dark brown, I VFA, with thin (1") black shale parting. <u>5% spotty bright yellow fluorescence and cut fluorescence.</u>			
	5404	5405	1'	<u>Limestone</u> , dark brown, I VFA, stylolitic, recrystallized in part, with occasional brachiopod.			
	5405	5406	1'	<u>Limestone</u> , brown, I VF-MA, as above.			
	5406	5407	1'	<u>Limestone</u> , brown, I VFA, silty, with black cherty nodules.			
	5407	5408	1'	<u>Limestone</u> , brown, I-III VFA, sandy, with rare fossile fragments. <u>75% large spotty pale-bright yellow Fluorescence, CF, strong petroleum</u>			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

Mole Hill

WELL NO. 1

4

(SECTION OR LEASE)

T41S R23E

(TOWNSHIP OR RANCHO)

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

8-18-57

REMARKS

Location: 2691' S and 1980' W of NE Corner, Section 4, T41S, R23E, SLBM, San Juan County, Utah.

Elevations: KB 4637.50
GR 4625.85
DF 4635.75

DAY	DEPTHS		REMARKS
57	FROM	TO	
7-24 to 7-27	0	1095	Spudded 12:01 AM 7-24-57. Ran and cemented 8-5/8", 32#, J-55 casing at 1079' with 200 sacks pozzo mix and 150 sacks cement treated with 2% calcium chloride. Good cement returns to surface. Flanged up.
7-28	1095	-	Waited on cement.
7-29 to 7-30	1095		Repaired washed out water pump (San Juan River) and lines.
7-31	1095	1566	<u>Drilled 471'</u> . Pressure tested casing and BOP with 700 psi for 30 minutes, OK. Located top of cement 1059'. Lost circulation between 1224-1566' ?, regained with lost circulation material.
8-1 to 8-5	1566	2418	<u>Drilled 852'</u> .
8-6 to 8-7	2418	2655	<u>Drilled 237'</u> . Waited on water and repaired water pump.
8-8 to 8-10	2655	3289	<u>Drilled 634'</u> .
8-11 to 8-12	3289	3345	<u>Drilled 56'</u> . Waited on water, repaired rig.
8-13 to 8-18	3345	3921	<u>Drilled 576'</u> .

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

C. MAC MASTER

SIGNED

SHELL OIL COMPANY

Mole Hill

WELL NO. 1

Wildcat

DRILLING REPORT

FOR PERIOD ENDING

9-20-57

4

(SECTION OR LEASE)

T41S R23E

(TOWNSHIP OR RANCHO)

(FIELD)
San Juan, Utah
(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
8-19	3921	3948	<u>Drilled 27'</u> . Waited on water, installed new water pump.
8-20 to 8-28	3948	4733	<u>Drilled 785'</u> . Lost 1 cone, drilled on junk with 2 bits, ran magnet. (4011 - 4115').
8-29 to 8-31	4733	4750	<u>Drilled 17'</u> . Shut down - roads washed out.
9-1 to 9-6	4750	5277	<u>Drilled 527'</u> .
9-7 to 9-10	5277	5457	<u>Drilled 82'</u> . <u>Cored 95.5'</u> . Core #1 5361-5411. Recovered 50', Core #2 5411-5457.5 Recovered 40.5'.
9-11	5460	-	Repairing rig, (depth correction).
9-12 to 9-17	5460	5656	<u>Cored 196'</u> . Core #3 5460-5510, recovered 47.5'. Core #4 5510-5560 recovered 50'. Core #5 5560-5612 recovered 52'. Core #6 5612-5656 recovered 41'. Ran Induction - Electrical Survey and Microlog.
9-18	5656	-	<u>DST #1 5540 - 5660</u> . Cook testers, 2 - 6-5/8" packers at 5540 and 5535, 2 pressure recorders 1 Amerada at 5653 and 1 Amerada at 5658', 1/2" subsurface bean, 3/4" surface bean, tool initially shut in 30 minutes, open 2 hours, final shut in 1 hour. Used 31' (0.15 bbls.) air cushion. Very faint blow decreasing to almost dead at end of test. Recovered 100' (0.5 bbl.) mud, salinity 6600 - 11,302 (t) ppm NaCl, salinity before test 10,065 (t) ppm NaCl. ISIP 1250, IFP 100, FFP 150, FSIP 1250 (still rising), HP 2600.
9-19	5656	5705	<u>Drilled 55'</u> . Ran Gamma Ray Neutron Log and Velocity Survey (DEPTH CORRECTION)
9-20	5705	TD	Plugged as follows: With drill pipe at 5350 plugged with 35 sacks cement. With drill pipe at 4500 plugged with 35 sacks cement. With drill pipe at 2400 plugged with 35 sacks cement. With drill pipe at 1085 plugged with 60 sacks cement.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

C MAC MASTER

SIGNED

Wildcat

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

9-21-57

4

(SECTION OR LEASE)

T41S R23E

(TOWNSHIP OR RANCHO)

DAY 57	DEPTHS		REMARKS
	FROM	TO	
9-21			<p>Ran in located plug at 1050', waited 12 hours found hard cement at 975'. Installed marker with a 10 sack cement plug and abandoned 9-21-57. (Released rig 10:00 P.M. 9-21-57).</p> <p>Checked BOP Daily</p> <p>Mud Summary Wt 9 - 10.6#/gal. Vis 36-60 sec. WL 4.5 - 12.2 cc FC 1 - 7/32 pH 11-13</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	1095	8-5/8"	1079'
7-7/8"	1095	5705		
DRILL PIPE SIZES 4-1/2"				

Contractor: Exeter Drilling Co.

 Drillers: T. W. Keen
 T. F. Manion
 H. A. Sheppard

C. MAC MASTER

SIGNED

DITCH SAMPLES

Examined by 3670 to 4060
toWell Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
3670	3680	50	<u>Limestone</u> , tan, I VFA.	
		50	<u>Shale</u> , as above.	
3680	3690	100	<u>Sandstone</u> , light brown, very fine - siltstone, calcareous, anhydrite inclusions, micaceous.	
3690	3700	100	<u>Siltstone</u> , light green, calcareous, anhydrite inclusions.	
3700	3800		Skip.	
3800	3810	100	Siltstone, light brown, calcareous, slightly micaceous, <u>Samples good</u> .	
3810	3820		Skip.	
3820	3830	70	<u>Limestone</u> , tan - dark brown, I VFA.	
		30	<u>Siltstone</u> , as above.	
3830	3850	100	<u>Siltstone</u> , as above, anhydrite inclusions.	
3850	3860	100	<u>Shale</u> , dark brown, slightly calcareous, slightly sandy, waxy.	
3860	3870	100	<u>Shale</u> , as above, calcareous, sandy.	
3870	3880	100	<u>Limestone</u> , tan - light brown, I VFA, sandy, with sandstone partings.	
3880	3890	100	<u>Limestone</u> , as above, very sandy.	
3890	3910	100	<u>Sandstone</u> , tan - pale purple, very fine - fine, finely sorted.	
3910	3920	100	<u>Siltstone</u> , as above.	
3920	3930	50	<u>Limestone</u> , medium brown, I VFA.	
		50	<u>Shale</u> , red, calcareous.	
3930	3940	100	<u>Limestone</u> , as above.	
3940	3960	80	<u>Shale</u> , as above.	
		20	<u>Limestone</u> , tan, I VFA, with chert 3940-50'.	
3960	3980	100	<u>Shale</u> , red, mottled purple, calcareous.	
3980	4000	100	<u>Shale</u> , variegated, red, green, gray, purple, very soft.	
4000	4020	100	<u>Shale</u> , variegated, red, brown, green, gray, calcareous in part, with a limestone parting, white, I VFA.	
4020	4050	100	<u>Shale</u> , red, slightly silty, calcareous, with limestone parting, tan, I VFA in 40-50.	
4050	4060		Skip.	

DITCH SAMPLES

Examined by 4060 to 4535
toWell Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
4060	4080	100	<u>Shale</u> , brownish red, slightly silty, slightly calcareous, with occasional small anhydrite inclusions, <u>Samples poor</u> .	
4080	4120	100	<u>Shale</u> , as above, without anhydrite inclusions.	
4120	4150	100	<u>Siltstone</u> , brown, calcareous, <u>Samples poor</u> .	
4150	4180	100	<u>Shale</u> , red, - brownish red, slightly calcareous.	
4180	4230	100	<u>Shale</u> , variegated, reddish brown, tan, purple, soft, slightly calcareous.	
4230	4240	100	<u>Shale</u> , brownish red, slightly calcareous.	
4240	4260	100	<u>Shale</u> , brown, slightly silty, calcareous.	
4260	4310	100	<u>Shale</u> , as above, <u>Samples very poor</u> . Limestone partings, tan, I VFA, in 90-4300.	
4310	4320	100	<u>Shale</u> , variegated, reddish brown, light green, light gray, purple, slightly calcareous.	
4320	4330	100	<u>Shale</u> , as above, calcareous.	
4330	4350	100	<u>Shale</u> , brown, silty in part, calcareous.	
4350	4360		Skip.	
4360	4400	100	<u>Siltstone</u> , light brown, calcareous, <u>Samples good</u> .	
4400	4420	100	<u>Shale</u> , brown, silty, calcareous.	
4420	4450	100	<u>Limestone</u> , tan, I/II VFA, slightly sandy, I LA in part. (TOP HERMOSA)	
4450	4460	40	<u>Siltstone</u> , light gray, calcareous.	
		60	<u>Limestone</u> , as above.	
4460	4490	100	<u>Limestone</u> , tan, III FA.	
4490	4500	100	<u>Limestone</u> , light gray, III FA, (<u>Samples still good</u> .)	
4500	4510	40	<u>Limestone</u> , tan, I VFA.	
		60	<u>Shale</u> , brown, calcareous. <u>Samples poor</u> .	
4510	4515	100	<u>Shale</u> , brown, calcareous.	
4515	4520	60	<u>Shale</u> , as above.	
		40	<u>Limestone</u> , tan - white, I VFA.	
4520	4535	100	<u>Shale</u> , as above. <u>Samples very poor</u> .	

DITCH SAMPLES

Examined by 4535 to 4760
_____ to _____Well Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES PASSED NOT
4535	4540	30	<u>Limestone</u> , tan, I VFA.	
		70	<u>Shale</u> , as above.	
4540	4545	100	<u>Shale</u> , as above.	
4545	4550	40	<u>Limestone</u> , white - tan, I VFA.	
		60	<u>Shale</u> , as above. (<u>Samples still very poor</u>)	
4550	4555	100	<u>Shale</u> , as above.	
4555	4560	100	<u>Limestone</u> , tan, I VFA, sandy - very sandy. <u>Samples fair</u> .	
4560	4565	100	<u>Limestone</u> , white, I VFA, very sandy, grades to sandstone, very calcareous in part.	
4565	4570	40	<u>Limestone</u> , tan, I VFA.	
		60	<u>Shale</u> , brown, slightly calcareous. <u>Samples poor</u> .	
4570	4585	100	<u>Limestone</u> , tan, III VF-FA.	
4585	4610	100	<u>Limestone</u> , white, I VF-LA, with occasional cherty fragments.	
4610	4615	100	<u>Shale</u> , varicolored, brown, brown, red, gray, calcareous in part. (<u>Samples still poor</u>)	
4615	4620	100	<u>Shale</u> , brown, calcareous.	
4620	4625	100	<u>Shale</u> , light green, silty in part, calcareous.	
4625	4630	40	<u>Shale</u> , as above.	
		60	<u>Limestone</u> , tan - light green, III F - I VFA, silty.	
4630	4635	100	<u>Limestone</u> , as above.	
4635	4640	60	<u>Limestone</u> , as above.	
		40	<u>Siltstone</u> , brown, calcareous.	
4640	4680	100	<u>Siltstone</u> , as above. (<u>Samples still poor</u>)	
4680	4685	100	<u>Limestone</u> , white, I LA, sandy in part.	
4685	4700	100	<u>Siltstone</u> , brown, calcareous, grades to shale, brown, very silty in part.	
4700	4720		Skip.	
4720	4725	100	<u>Shale</u> , light - medium brown, soft, slightly calcareous.	
4725	4760	100	<u>Shale</u> , dark brown, silty in part, slightly calcareous.	

DITCH SAMPLES

Examined by _____ to _____
_____ to _____Well Mole Hill #1
Field or Area _____

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
4760	4770	40 60	<u>Limestone</u> , white, IvFA, very sandy. <u>Shale</u> , as above.	
4770	4790	100	<u>Shale</u> , brown, light green, gray, red, calcareous, in part (Samples poor)	
4790	4850	100	<u>Limestone</u> , white-tan, IvF-IIIFA, sandy in part. (Samples very poor)	
4850	4855	100	<u>Limestone</u> , tan, IIIFA, sandy.	
4855	4865	100	<u>Shale</u> , brown, calcareous.	
4865	4870	100	Skip	
4870	4880	100	<u>Limestone</u> , tan-white, IIIvF=FA, with occasional brown translucent chert fragments.	
4880	4885	60 40	<u>Shale</u> , brown, calcareous. <u>Limestone</u> , white-tan, IvFA.	
4885	4890	100	<u>Limestone</u> , as above, sandy in part.	
4890	4895	100	<u>Limestone</u> , tan, IvFA, sandy, with rare ostracod. (Samples poor).	
4895	4900	100	<u>Limestone</u> , tan, IvF-LA, sandy in part, occasional foram.	
4900	4925	100	<u>Limestone</u> , tan-white, I-IIIvFA, sandy in part. (Samples very poor)	
4925	4935	100	<u>Shale</u> , varigated, brown, green, gray, silty in part, calcareous in part.	
4935	4945	100	<u>Limestone</u> , tan, I-IIIvFA.	
4945	4960	100	<u>Limestone</u> , tan-light brown, IIIvF-FA.	
4960	4985	100	<u>Limestone</u> , tan-light gray, brown, I-IIIvFA. (Samples good)	
4985	4990	100	<u>Limestone</u> , dark gray, IIIvFA, very argillaceous, may be very calcareous, <u>shale</u> in part.	
4990	4995	100	<u>Limestone</u> , as above, dark gray, brown in part, IIIFA in part.	
4995	5000	100	<u>Limestone</u> , as above, tan-dark gray brown.	
5000	5010	100	<u>Limestone</u> , tan-light brown, IIIFA.	
5010	5015	100	<u>Limestone</u> , tan-light gray, IIIFA.	
5015	5025	100	<u>Limestone</u> , white-light tan, IvFA, sandy in part with milky, translucent chert.	
5025	5030	100	<u>Limestone</u> , light tan-light brown, I-IIIvFA, (Samples good).	
5030	5035	100	<u>Limestone</u> , light tan-light brown, I-IIIvFA.	

DITCH SAMPLES

Examined by _____ 5035 to 5280
_____ to _____Well Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
5035	5050	100	<u>Limestone</u> , medium - dark grayish brown, I - III VFA, with brachiopod?, fragments and spines.	
5050	5065	100	<u>Limestone</u> , dark grayish brown, I - III VFA, argillaceous, pyritic in part, with rare bryozoa.	
5065	5085	100	<u>Limestone</u> , tan, I VFA-B ₁ , and limestone as above, (apparently inter-bedded) <u>1-2% bright yellow fluorescence and cut fluorescence.</u>	
5085	5100	100	<u>Limestone</u> , tan - white, I VFA.	
5100	5120	100	<u>Limestone</u> , tan - light brown, I - III VFA.	
5120	5125	100	<u>Limestone</u> , tan - light gray, III VFA.	
5125	5135	100	<u>Limestone</u> , as above, becoming III FA. (<u>Samples still good</u>)	
5135	5140	100	<u>Limestone</u> , white, I VF - III FA, very sandy.	
5140	5145	40	<u>Limestone</u> , as above.	
		60	<u>Shale</u> , medium - dark gray, calcareous.	
5145	5155	100	<u>Shale</u> , as above.	
5155	5160	60	<u>Shale</u> , as above.	
		40	<u>Limestone</u> , white, I VFA, sandy in part.	
5160	5165	100	<u>Shale</u> , medium gray, calcareous in part.	
5165	5170	100	<u>Limestone</u> , tan - light brown, I VF - MA.	
5170	5175	100	<u>Siltstone</u> , pale greenish gray, micaceous, calcareous.	
5175	5185	40	<u>Siltstone</u> , brown, micaceous, calcareous.	
		60	<u>Limestone</u> , light brown, I VFA.	
5185	5195	100	<u>Limestone</u> , tan, I III VFA.	
5195	5205	100	<u>Limestone</u> , light grayish brown, III VF - FA.	
5205	5225	100	<u>Limestone</u> , tan, I VFA.	
5225	5235	60	<u>Limestone</u> , as above.	
		40	<u>Shale</u> , medium - dark gray, calcareous in part.	
5235	5240	100	<u>Limestone</u> , brown, I VFA, with tan - brown, translucent cherty fragments.	
5240	5250		<u>Shale</u>	

DITCH SAMPLES

Examined by _____ 5280 to 5360
_____ to _____Well Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
5280	5295	100	<u>Limestone</u> , tan - light brown, I VFA, sandy in part.	
5295	5300	100	<u>Limestone</u> , tan, I VFA, with occasional tan cherty fragments.	
5300	5305	100	<u>Limestone</u> , tan, I VFA, sandy.	
5305	5320	100	<u>Limestone</u> , as above, not sandy.	
5320	5325	100	<u>Limestone</u> , tan - light brown, I VFA, with light brown, translucent cherty fragments.	
5325	5330	100	<u>Limestone</u> , light grayish brown, I VFA.	
5330	5345	100	<u>Limestone</u> , as above, with chert as above.	
5345	5350	70	<u>Limestone</u> , tan, I VFA.	
		30	<u>Shale</u> , dark gray, calcareous.	
5350	5360	100	<u>Limestone</u> , tan - light brown, I VFA, sandy.	

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION OIL-GAS
							CORE OR DIT
1	5408	5409	1'	<u>Limestone</u> , brown, III VF-FA-B ₂ , shows as above.			See Descr
	5409	5410	1'	<u>Limestone</u> , dark brown, III VF-FA, very fusulinid, with abundant brachiopod and crinoid. <u>2-4% bright yellow spotty fluorescence and cut fluorescence.</u>			
	5410	5411	1'	<u>Limestone</u> , tan - light brown, I LA, with rare fusulinid and bryozoa.			
	5411	5412	1'	<u>Limestone</u> , dark brown, III VF-FA, argillaceous, fusulinid. <u>1% bright yellow spotty fluorescence and cut fluorescence.</u>			

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
						CORE OR DITCH
5412	5457.5	40.5'				See Description
5412	5416	4'	<u>Limestone</u> , medium brown, I F-MA, with abundant fusulinid.			
5416	5422	6'	<u>Limestone</u> , dark brown, III FA, very argillaceous, with abundant fusulinid.			
5422	5429	7'	<u>Limestone</u> , medium brown, I VF-FA, with crinoids and fusulinid, black cherty nodules at 5425.			
5429	5430	1'	<u>Limestone</u> , dark brown, III VFA, argillaceous, with crinoid stems.			
430	5446	16'	<u>Limestone</u> , medium brown, I-III VF-FA, argillaceous, with 2" cherty nodules at 5433.			
5446	5452.5	6.5'	<u>Limestone</u> , as above, with abundant irregular small black cherty nodules.			

MPOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL - GAS CORE OR DITCH
5460	5510	47.5'				See Description
5460	5461	1'	<u>Limestone</u> , black, I VFA, very argillaceous, with rare crinoid button.			
5461	5462	1'	<u>Limestone</u> , tan - light gray, I VFA.			
5462	5464	2'	<u>Limestone</u> , medium grayish brown, I-III FA, argillaceous, with abundant fusulinids at 62-63			
5464	5464.5	0.5'	<u>Shale</u> , black.			
5464.5	5465.5	1'	<u>Limestone</u> , medium brown, III - I FA, with calcite veins.			
5465.5	5467	1.5'	<u>Shale</u> , black, silty.			
5467	5472	5'	<u>Limestone</u> , medium gray, III F-MA, very argillaceous - argillaceous, silty.			
5472	5473	1'	<u>Shale</u> , medium gray, very silty, micaceous.			
5473	5474	1'	<u>Limestone</u> , medium gray, III F-MA, argillaceous, very silty.			
5474	5475	1'	<u>Shale</u> , medium gray, very silty, micaceous, calcareous.			
5475	5477	2'	<u>Siltstone</u> , medium gray, very calcareous, argillaceous, with patches I VFA limestone.			
5477	5478	1'	<u>Limestone</u> , medium brown, I VFA, with clusters coarse calcite crystals, with light brown oil stain.			
5478	5479	1'	<u>Limestone</u> , light brown, I VF-FA, with brachiopod fragments.			
5479	5484.5	5.5'	<u>Limestone</u> , light grayish brown, IF-MA, slightly argillaceous, with abundant fusulinids.			
5484.5	5488	3.5	<u>Limestone</u> , light gray, III FA, very dolomitic, petroleum odor on fresh core.			
5488	5489	1'	<u>Limestone</u> , light gray, III F-B ₅ , with 50% light blue fluorescence, pale cut fluorescence.			
5489	5490	1'	<u>Limestone</u> , light gray - brown, III-I F-LB ₁ , + trace C, dolomitic, 50% bright blue yellow fluorescence, moderate yellow cut fluorescence.			
5490	5491	1'	<u>Dolomite</u> , tan - light gray, III F B ₁₋₂ , + trace C.			
5491	5492	1'	<u>Limestone</u> , tan - light gray, III F B ₁₋₂ , dolomitic, 50% bright blue yellow fluorescence, pale yellow cut fluorescence.			
5492	5493	1'	<u>Limestone</u> , light gray, I-III VF-FA.			
5493	5494	1'	<u>Limestone</u> , tan, III FA, dolomitic.			
5494	5495	1'	<u>Limestone</u> , as above, very dolomitic.			
5495	5496	1'	<u>Dolomite</u> , dark brown - black, III FA, argillaceous TOP PARADOX 5496'			
5496	5507	11'	<u>Shale</u> , black, slightly silty calcareous. Bed contacts gradational, no evidence of dip.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
						CORE OR DITCH
5510	5560	50'				See Description
5510	5541	31'	<u>Shale</u> , black, slightly calcareous.			
5541	5542.5	1.5'	<u>Limestone</u> , medium grayish brown, III VFA, argillaceous.			
5542.5	5544.5	2'	<u>Dolomite</u> , light brownish gray, III MA, calcareous, very silty, 3-5° dip from thin irregular interbeds.			
5544.5	5548	3.5'	<u>Siltstone</u> , medium gray, calcareous, argillaceous - grading to very fine sand, micaceous.			
5548	5549	1'	<u>Siltstone</u> , as above, very argillaceous.			
5549	5550	1'	<u>Shale</u> , medium gray.			
5550	5551	1'	<u>Dolomite</u> , medium brown, III VF-FA, <u>20% bright yellow fluorescence (spotty)</u> .			
5551	5552	1'	<u>Limestone</u> , medium gray, I-III FA, <u>oil bleeding along very thin tight horizontal fractures at 50.5-51.</u>			
5552	5560	8'	<u>Anhydrite</u> , gray, with thin irregular black shale partings.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS CORE OR DITCH
5560	5612	52'				See Description
5560	5561.7	1.7'	<u>Anhydrite</u> , gray, massive.			
5561.7	5570	8.3'	<u>Dolomite</u> , medium brown, III FA. <u>Very pale blue fluorescence on fractured surface at 69-70.</u>			
5570	5571	1'	<u>Dolomite</u> , as above, calcareous.			
5571	5578	7'	<u>Siltstone</u> , gray, calcareous.			
5578	5579	1'	<u>Shale</u> , light gray, calcareous.			
5579	5588	7'	<u>Limestone</u> , tan, I VFA, sandy, abundant fusulinids at 85-88.			
5588	5590	2'	<u>Limestone</u> , tan, I VFA, with abundant fusulinids and irregular gray shale partings.			
5590	5591	1'	<u>Limestone</u> , tan, I VFA, with irregular gray shale partings.			
5591	5593	2'	<u>Limestone</u> , tan, I VFA, with clusters white anhydrite crystals and gray shale partings.			
5593	5594	1'	<u>Limestone</u> , tan, I VFA, with round anhydrite inclusions.			
5594	5595	1'	<u>Shale</u> , medium gray, calcareous, with inclusions I VFA, tan, limestone.			
5595	5596	1'	<u>Dolomite</u> , tan, III FA, with round anhydrite inclusions.			
5596	5597.5	1.5'	<u>Limestone</u> , tan, III FA, with round anhydrite inclusions.			
5597.5	5598	0.5'	<u>Limestone</u> , tan, I-III VF-FA, with trace C. <u>40% yellow fluorescence, pale cut fluorescence.</u> Abundant small smooth brachiopods, few fusulinids.			
5598	5599	1'	<u>Limestone</u> , as above, B ₁ + C ₁ , <u>20% fluorescence, and cut fluorescence as above.</u>			
5599	5600	1'	<u>Limestone</u> , tan, I FB ₁ + C ₁ + D ₁ , <u>30% dull yellow fluorescence, very pale yellow cut fluorescence.</u>			
5600	5601	1'	<u>Limestone</u> , tan, III FA, with trace C and D, <u>5% fluorescence as above, stylolitic.</u>			
5601	5602	1'	<u>Limestone</u> , as above, <u>fluorescence as above.</u>			
5602	5603	1'	<u>Limestone</u> , as above, <u>40% pale yellow fluorescence, very pale yellow cut fluorescence,</u> abundant small smooth brachiopods.			
5603	5604	1'	<u>Limestone</u> , tan, III FB ₁ + C ₂ + D ₁ , appears brecciated, with abundant brachiopods and fossil fragments, large crystals and plates of anhydrite; <u>45% fluorescence and cut fluorescence, as above.</u>			
5604	5605	1'	<u>Limestone</u> , as above, <u>25% fluorescence and cut fluorescence as above.</u>			
5605	5606	1'	<u>Limestone</u> , light gray - tan, I VF-LA, with abundant coarse anhydrite crystals.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
						CORE OR DITCH
5612	5656	41'				None
5612	5617	5'	<u>Dolomite</u> , medium brown, III F-MA, at 14-16, abundant brachiopod fossils.			
5617	5619	2'	<u>Dolomite</u> , tan, III MA, anhydritic.			
5619	5620	1'	<u>Dolomite</u> , tan, III F-M B ₁ , with inclusions of anhydrite, light oil stain.			
5620	5621	1'	<u>Dolomite</u> , tan, III FA, very calcareous, with irregular gray shale partings.			
5621	5622	1'	<u>Dolomite</u> , as above, B ₁ + trace C.			
5622	5624	2'	<u>Dolomite</u> , as above, B ₁ + trace C., with patches brown III MA dolomitic, anhydritic.			
5624	5625	1'	<u>Dolomite</u> , medium brown, III F-MA, anhydritic.			
5625	5626	1'	<u>Dolomite</u> , medium brown, very calcareous, with patches light gray shale.			
5626	5627	1'	<u>Dolomite</u> , mottled tan and medium brown, III FA, very calcareous, with rare brachiopod mold and anhydrite inclusions.			
5627	5629	2'	<u>Dolomite</u> , medium brown, III FA, with rare anhydrite inclusions.			
5629	5633	4'	<u>Dolomite</u> , as above, very calcareous, with rare brachiopod.			
5633	5634	1'	<u>Limestone</u> , medium brown, III FA, very dolomitic, with rare brachiopod.			
5634	5637	3'	<u>Dolomite</u> , medium brown, calcareous, with rare crinoid stems.			
5637	5638	1'	<u>Dolomite</u> , medium brown, III FA, calcareous, argillaceous.			
5638	5639	1'	<u>Shale</u> , black, very dolomitic, with abundant productid brachiopods.			
5639	5653	14'	<u>Shale</u> , black, slightly calcareous. Note: Drillers measured T. D. 6550'			

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD WildcatCOMPANY ShellLEASE AND WELL NO. Mole Hill #1

FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
						CORE OR DITCH
5606	5607	1'	<u>Limestone</u> , light gray, I VFA, trace C and D, recemented with coarse anhydrite crystals. <u>20% yellow fluorescence, strong yellow cut fluorescence.</u>			See Description
5607	5608	1'	<u>Limestone</u> , as above, <u>10% fluorescence and cut fluorescence, as above.</u>			
5608	5609	1'	<u>Limestone</u> , as above, <u>10% fluorescence and cut fluorescence, as above,</u> only trace D porosity.			
5609	5610	1'	<u>Limestone</u> , tan-light gray, I VFA to III MA, due to presence of anhydrite crystals.			
5610	5611	1'	<u>Limestone</u> , light gray, I VFA, with inclusions coarse anhydrite crystals.			
5611	5612	1'	<u>Dolomite</u> , tan, III FA, anhydritic.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

DITCH SAMPLES

Examined by _____ 5660 to 5701
_____ to _____Well Mole Hill #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
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5660	5665		Skip.	
5665	5670	100	<u>Shale</u> , black, calcareous.	
5670	5675	50	<u>Shale</u> , as above.	
		25	<u>Shale</u> , light gray, calcareous.	
		25	<u>Limestone</u> , tan, I VFA.	
5675	5680	100	<u>Siltstone</u> , gray, calcareous.	
5680	5685	50	<u>Anhydrite</u>	
		50	<u>Limestone</u> , brown, I VFA.	
5685	5690	25	<u>Anhydrite</u>	
		50	<u>Limestone</u> , as above.	
		25	<u>Shale</u> , light gray, calcareous.	
5690	5695	75	<u>Siltstone</u> , gray.	
		25	<u>Dolomite</u> , brown, III FA.	
5695	5700	100	<u>Anhydrite</u>	
5700	5701	100	<u>Salt</u>	

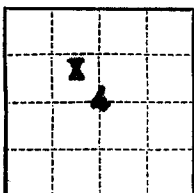
DITCH SAMPLES

Examined by _____ 3100 to 3670
_____ to _____Well Mole Hill # 1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT
3100	3110	100	<u>Shale</u> , orange, calcareous, silty.	
3110	3130	100	<u>Siltstone</u> , orange, calcareous.	
3130	3150	100	<u>Shale</u> , orange, calcareous.	
3150	3200	100	<u>Shale</u> , orange, mottled green, moderately calcareous, silty.	
3200	3300	100	<u>Shale</u> , as above, very calcareous.	
3300	3320	100	<u>Shale</u> , reddish brown, very calcareous, anhydrite, silty.	
3320	3340	100	<u>Shale</u> , light green.	
3340	3350	100	<u>Shale</u> , as above, anhydrite inclusions.	
3350	3360	20	<u>Shale</u> , as above.	
		80	<u>Siltstone</u> , brown, calcareous, micaceous, anhydrite inclusions.	
3360	3380	10	<u>Shale</u> , as above.	
		90	<u>Siltstone</u> , as above.	
3380	3400	100	<u>Shale</u> , brown, calcareous, with anhydrite inclusions.	
3400	3410		Skip.	
3410	3430	100	<u>Shale</u> , as above.	
3430	3470	100	<u>Siltstone</u> , as above, very calcareous.	
3470	3480		Skip.	
3480	3500	100	<u>Siltstone</u> , as above.	
3500	3520	100	<u>Shale</u> , orange and green, calcareous.	
3520	3570	100	<u>Siltstone</u> , tan, as above.	
3570	3600	100	<u>Sandstone</u> , light brown, very fine siltstone, angular, well sorted, very calcareous, anhydrite inclusions, micaceous.	
3600	3610	100	<u>Shale</u> , reddish brown, calcareous, silty, anhydrite inclusions.	
3610	3630	100	<u>Siltstone</u> , brown, calcareous, anhydrite inclusions, micaceous.	
3630	3640	100	<u>Shale</u> , red, slightly calcareous, slightly sandy.	
3640	3650	100	<u>Siltstone</u> , as above.	
3650	3670	100	<u>Shale</u> , brown, calcareous, silty, micaceous.	

(SUBMIT IN TRIPLICATE)

Indian Agency Nawa Jo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

1-27-58

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 14

19 58

Mole Hill

Well No. #1 is located 2671 ft. from N line and 1980 ft. from W line of sec. 4

NW 4

413

23E

SLEM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

Kelly Dushing

The elevation of the ~~drilling~~ above sea level is 4670 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Abandonment Work:

1. Plugged as follows:

35 sacks cement at 5350'

35 sacks cement at 4500'

35 sacks cement at 2400'

60 sacks cement at 1085'

2. Formed top of cement at 975'.

3. Plugged casing with 10 sacks cement cap, installed marker and abandoned in accordance with USGS regulations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrand

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By

B. W. Shepard

Title

Exploitation Engineer